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मानक

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Jawaharlal Nehru

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IS 6374 (1971): Hexagonal box wrenches (spanners) [PGD 5: Assembly Hand Tools]



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Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

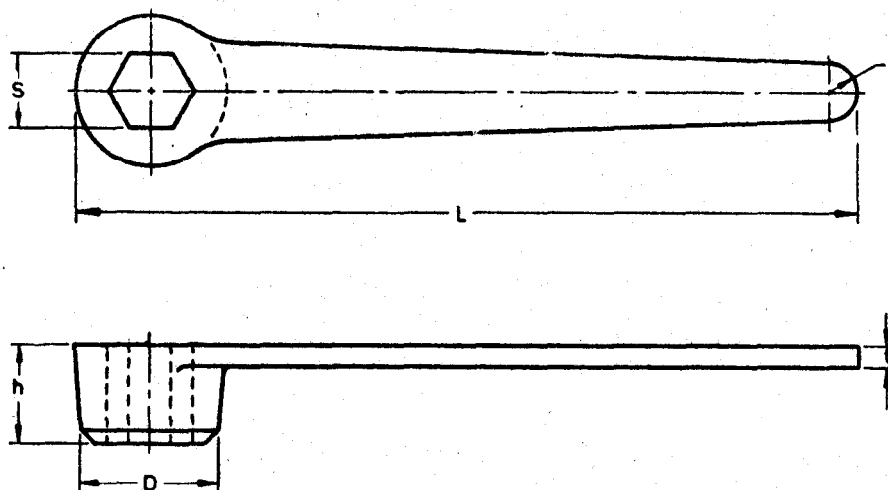
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Indian Standard
**SPECIFICATION FOR
HEXAGONAL BOX WRENCHES (SPANNERS)**

- 1. Scope** — Lays down dimensions and requirements for hexagonal box wrenches (spanners).
2. Dimensions



All dimensions in millimetres.

Normal Width Across Flats S	D Min	h Min	t Min	r Approx	L Approx
5.5	13	9	3	3	95
(6)*	12	10	3	3	95
7	13	10	3	3	95
8	14	12	3	4	120
10	19	15	4	4	130
11	22	17	4	5	140
13	24	18	4	5	150
14	26	20	4	6	165
17	30.5	24	4	6	185
19	35	25	5	7	195
22	37	28	5	8	230
24	41	32	6	10	250
27	46	38	6	10	270
30	51	40	6	12	305
32	54	45	7	12	325
36	60	50	7	12	350
41	65	54	8	15	380
46	76	62	8	15	420
50	83	68	10	16	440
55	90	74	10	16	475
60	99	78	10	18	500

*Non-preferred.

Adopted 22 December 1971

© June 1972, ISI

Price Rs. 5.00

Gr 1

2.1 Tolerances on Width Across Flats — As specified for forged and subsequently machined spanners in IS : 2027-1967 'Widths across flats for spanners (first revision)'.

3. Material — Suitable alloyed and unalloyed steels which fulfil the requirements laid down in 4.

Suitable Example:

21Cr1Mo28 and 50Cr1V23 of IS : 1570-1961 'Schedules for wrought steels for general engineering purposes'.

4. Hardness, Workmanship and Finish, Preservation and Packing, Tests and Sampling — According to IS : 6131-1971 'Technical requirements for hand operated wrenches (spanners) and sockets'. The torque test shall conform to Series A of IS : 6131-1971.

5. Designation — A hexagonal box wrench of width across flat of 30 mm shall be designated as:

Wrench 30, IS : 6374

6. Marking — Each wrench shall be marked with the nominal width across flats and the manufacturer's name, initial or recognized trade-mark.

6.1 ISI Certification Marking — Details available with the Indian Standards Institution.

EXPLANATORY NOTE

While preparing this standard, assistance has been derived from CSN 230630-1963 'Zavřené klíče na sestihřany (Closed-end spanners for hexagons)' issued by Úrad Pro Normalizaci a měřeni.